

Patent claims

1. A multipole line interface having a housing (1) and at least two lines (4) which can be connected to the housing (1) by inserting a line contact (5) of the respective line (4) into a respective pole chamber (2), characterized in that the housing (1) comprises a coding device (3) for at least one of the pole chambers (2), with the coding device being designed specifically to hold a coding element (6) which is connected to the associated line contact (5) in a captive fashion.  
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2. The multipole line interface as claimed in claim 1,  
15 characterized in that the housing (1) comprises a basic housing (1.1) in which the pole chambers are formed, and an additional housing (1.2) in which the at least one coding device (3) is formed.
- 20 3. The multipole line interface as claimed in claim 1 or 2,  
characterized in that the coding element (6) is connected to the line contact (5) as a separate component such that it can rotate.  
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4. The multipole line interface as claimed in claim 1 or 2,  
characterized in that the coding element (6) is integrally formed with the line contact (5).  
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5. The multipole line interface as claimed in one of claims 1 to 4,  
characterized in that the coding element (6) is in the form of an injection-molded plastic part.  
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6. The multipole line interface as claimed in one of claims 1 to 5,

characterized in that the coding device (3) comprises at least one coding groove (3), and the coding element (6) comprises a coding ring (6) with at least one coding rib (6.1).

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7. The multipole line interface as claimed in claim 6,

characterized in that the additional housing (1.2) has a hollow-cylindrical holding region (9) for the coding 10 ring (6), this hollow-cylindrical holding region facing the basic housing (1.1).

8. The multipole line interface as claimed in claim 6 or 7,

15 characterized in that a plurality of coding ribs (6.1) are arranged on the coding ring (6) with mirror-image symmetry to a mirror axis which passes through the center of the ring.

20 9. The multipole line interface as claimed in claim 8,

characterized in that a plurality of coding grooves (3) are arranged in the additional housing (1.2) with mirror-image symmetry to a mirror axis (S) which passes 25 through the middle of the pole chamber.

10. The multipole line interface as claimed in one of claims 1 to 9,

30 characterized in that the additional housing (1.2) is releasably connected to the basic housing (1.2), particularly by means of clips.

11. The multipole line interface as claimed in one of claims 1 to 9,

35 characterized in that the additional housing (1.2) and the basic housing (1.1) are integrally formed.

12. The multipole line interface as claimed in one of claims 1 to 11,

characterized in that the housing (1), particularly the additional housing (1.2), has locking elements (10) for the purpose of locking the lines (4).